

Survey Database Data Gaps

In the survey database there are various data gaps where responders did not fill in information for their incinerator, process heater, boiler, or landfill gas flare. Eight tables have been prepared listing facilities and combustors where specific data are missing. The tables and the information that is missing are as follows:

Table 1: Combustion Unit Design Capacity Gaps

Table 2: Boiler Description Data Gaps

Table 3: Process Heater Description Data Gaps

Table 4: Incinerator Description Data Gaps

Table 5: Landfill Gas Flare Description Data Gaps

Table 6: Materials Combusted Data Gaps

Table 7: Operating Parameter Data Gaps

Table 8: Facilities With No SIC Data

Some of these data gaps require a knowledge of the facility in order to fill such as materials combusted and operating parameters. In these cases, either the facility itself, a state representative with access to permits, or a trade association that could call the facility would be able to fill the gaps. Other data gaps could be filled by people having knowledge of certain models of combustion units or specific knowledge of the site, such as design capacity and combustion unit descriptions. In these cases, manufacturers of combustion units could provide information to fill the data gaps (e.g., they would know the design capacity and design type of specific model numbers).

Instructions for submitting changes

All of these tables are available on the TTN in Excel 5.0 files. In the electronic version, additional fields have been added in order for people to add the information that is missing. There are also fields added to document where the information came from: "Source of Information" field, "Person/Organization" field, and "Work Group" field. These fields must be filled out for all changes. Work group members will indicate in the "Source of Information" field where they acquired the information. Entries such as "Site Knowledge", "Spoke With Facility", "Knowledge of Combustor Model" would all be appropriate entries. Please do not guess, as we do not want to introduce errors into the database.

Data gaps that are filled are to be indicated in the Excel spreadsheets and sent electronically to the appropriate EPA co-chair. They should also be discussed within the Work Groups for coordination. Anyone who does not have the resources to submit data for gaps in an Excel spreadsheet and wishes to do so, should contact the appropriate EPA co-chair. A printout of the complete Excel spreadsheet will be provided so that the information can be written on the printout of the spreadsheet.

It should be noted that any combustor ID with a "Q" in it have been assigned by ERG. No combustor ID was given for these units. All other combustor IDs were assigned by the respondent.

Below, each table is described and any table-specific documentation that is necessary is explained.

Table 1: Combustion Unit Design Capacity Gaps

Question 3 of Part II of the survey asks for design capacity in any units; the facilities listed in Table 1 did not give a design capacity in any units for the combustor IDs indicated. Information from the responses on manufacturer, model number and other helpful fields are also shown on the table. For those combustors made by manufacturers that are represented on an ICCR committee or work group, there is an "X" in the "Mfg. Rep."

field. For those combustors in states that are represented on an ICCR committee or work group, there is an "X" in the "State Rep." field. This table is sorted by work group (or combustor type); note that there are several listed as "not specified". This is because there are some surveys where the respondent did not indicate what combustor type they have.

Table 2 through 5: Boiler/Process Heater/Incinerator/
Landfill Gas Flare Description Data Gaps

Question 5 of Part II of the survey asks for a description of the combustor. This question is mainly associated with the design.

Question 5a of Part II provides 30 specific descriptors that respondents could check and one fill in the blank description. The facilities listed in Table 2 did not check any of the descriptions for one or more boilers at their facility.

Question 5b of Part II is for process heaters and respondents were given the choice of "direct" or "indirect". The facilities listed in Table 3 did not check either "direct" or "indirect" for one or more of the process heaters at their facility.

Question 5c of Part II is for incinerators. Respondents were given 21 different descriptors that could be checked and one fill in the blank description. The facilities listed in Table 4 did not check any descriptions for one or more incinerators at their facilities.

Question 5d of Part II is for landfill gas flares and respondents could check any of 4 descriptors and one fill in the blank description. Table 5 lists the facilities that did not check any of the descriptors in question 5d for one or more of their landfill gas flares. Information from the responses on manufacturer, model number, and other helpful fields are also shown on the table.

In Tables 2 through 5, manufacturers and states represented on an ICCR committee or Work Group are indicated in the "Mfg. Rep" and "State Rep" fields with an "X". There is an additional field provided in the Excel spreadsheet for each of the descriptors in the survey. Indicate by writing "yes" in the appropriate column of the excel spreadsheet to specify a descriptor applies to a given combustor.

Table 6: Materials Combusted Data Gaps

Question 6a of Part II of the survey asks the recipient to fill in a material code picking from those provided in the instructions, the % annual input of that material, and how it is used (Primary, Startup, Standby, Supplemental, Co-fired). Table 6 lists the facilities and their combustors where no information was provide for question 6a. Information from waste description fields, etc. that could help determine the material code are also included on the spreadsheet. Table 6 indicates with an "X" in the "State Rep" column whether a state representative is on an ICCR committee or Work Group. In the Excel spreadsheet, there are fields to enter a material code, % annual input of the material, and usage for up to 5 material codes. When entering material code, use the material codes provided in the survey instructions and attached to this document. When entering usage information, choose from: Primary, Startup, Standby, Supplemental or Co-fired.

Table 7: Operating Parameter Data Gaps

Question 4 of Part II of the survey asks for typical number of hours of operation per year and per day (question 4a) and typical and maximum operating rate expressed as % of design (questions 4b and 4c). Facilities listed in Table 7 did not fill out at least one of these questions (4a, 4b, or 4c). Table 7 is sorted by Work Group (combustor type) and then by SIC. Data gaps are shown by a blank in the "Hours of Operation Per Year", "Hours of Operation Per day", "Typical Operating Rate", or "Maximum

Operating Rate" fields. Fill in these fields where information is known. In the Excel spreadsheet, there is a field provided to indicate which field was filled in. Put the column heading of the field that was filled in the "Field Filled In" column. In the event multiple fields were filled in, indicate each of the fields in the "Field Filled In" column.

Table 8: Facilities With No SIC Data

Question 2 of Part III of the survey asks the recipient to fill in the primary, secondary, and tertiary SIC codes. Table 8 lists the facilities that did not indicate any SIC codes. The table includes number of employees, plant name, city, combustion unit manufacturer, and combustion unit model number, year combustor was built and material code to aid reviewers in determining the proper SIC code to assign to these facilities. Excel spreadsheets contain blank columns for SICs so that data gaps can be filled and reasons documented.